

CRATE

G60 XL



GUITAR AMPLIFIER

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We would like to take this opportunity to thank you for selecting a Crate product, and to tell you of our commitment to the design and manufacture of only the finest musical instrument amplification equipment; built for you, the musician.

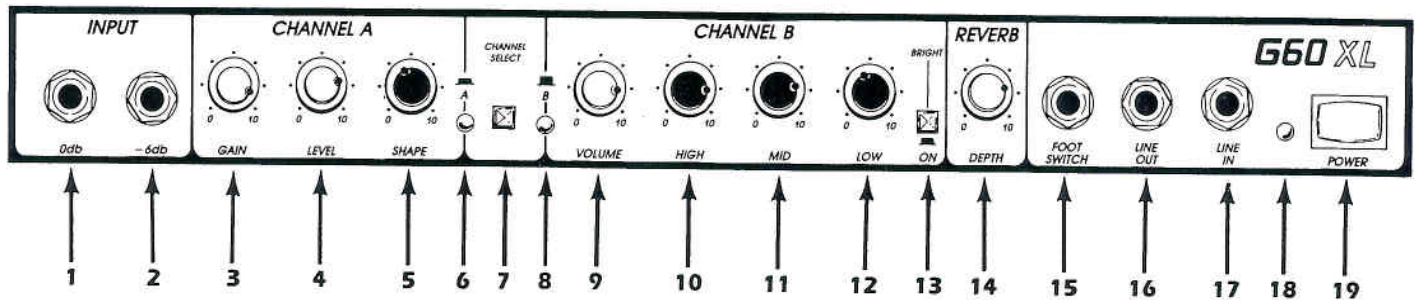
You have purchased one of the most innovative sound amplification devices available today. Your Crate amplifier gives you more performance features than ever before; features that you, the musician, have asked for.

Your Crate amplifier is an American product, manufactured at our factory in St. Louis, Missouri. Only the finest available components and materials are used in the manufacture of each amplifier.

All Crate amplifiers are subject to seven or more inspection and testing steps to assure you of a high quality product. The final test for each amp is conducted by a trained musician with the instrument the amp was designed for. Any unit that does not meet the standards of his discriminating ear will not be passed.

Since all Crate products are designed, developed, and manufactured through the cooperative efforts of engineers and professional musicians, the end result is a product that responds to the musician's audio requirements, and a product that will serve your needs for years to come.

OPERATION



FRONT PANEL—INPUT SECTION

1. **0 dB INPUT JACK:** This input accepts a standard 1/4" phone plug and is suitable for any low to line level signal source such as an electric guitar.
2. **-6 dB INPUT JACK:** This input also accepts a standard 1/4" jack but is padded 6 dB for hotter inputs such as tape decks or guitars with hot pickups. If both jacks are used, this input is not padded and will be equal to the 0 dB input jack.

CHANNEL A CONTROLS

3. **GAIN CONTROL:** This control sets the amount of gain for Channel A and is used to vary the amount of distortion. Minimal distortion is achieved with this control rotated counter-clockwise. A fully clockwise setting creates maximum distortion.
4. **LEVEL CONTROL:** The overall volume of Channel A is controlled with this knob and should be used in conjunction with the GAIN CONTROL (3).
5. **SHAPE CONTROL:** This is the overall

tone control for Channel A. When turned to the left, a setting with heavy emphasis on mid range is achieved. When rotated to the right, the amp creates a "fat" sound with extra boost on lows and highs.

6. **CHANNEL A INDICATOR:** The amplifier is in Channel A mode with this LED lit.
7. **CHANNEL SELECT SWITCH:** This switch is used to select between Channel A and Channel B. When using the optional footswitch, this switch should be in the Channel A position.

8. **CHANNEL B INDICATOR:** The amplifier is in Channel B mode with this LED lit.

CHANNEL B CONTROLS

9. **VOLUME CONTROL:** This control sets the overall listening level of Channel B. This control is independent of any setting made in Channel A.
10. **HIGH CONTROL (Treble):** This knob will affect the upper harmonic range of the guitar. Boosting it sharpens or adds crispness to the sound. For additional effect, use this control in conjunction with the Bright switch (13).
11. **MID CONTROL (Mid):** The tonal qualities of the midrange are very important to a good guitar sound. This knob can "thin-out" the sound when turned down, or "fatten-up" the tone when larger amounts are used.
12. **LOW CONTROL (Bass):** The desired amount of "Bottom" or "Warmth" may be increased or decreased with

13. **BRIGHT SWITCH:** This switch affects the brilliance of the guitar's sound by adding additional "bite" or sharpness. This switch affects both Channel A and B.

14. **DEPTH CONTROL (REVERB):** This control allows the player to alter the apparent acoustical qualities of a room. The sound can be altered from very "Flat" or "Dry" when the control is turned off, to that of a concert hall when used in larger amounts.

15. **FOOTSWITCH JACK:** This jack is to be used with the Channel Selector/Reverb footswitch.

16. **LINE OUT JACK:** This jack is used to link the G-60XL to additional amplifiers or to connect the amp to a tape recorder. Simply run a cable from the output of this jack to the input of another amplifier or tape deck. External speakers cannot be hooked up to this jack.

17. **LINE IN JACK:** This jack is used as a direct input to the power amp. It can

OUT jack for an effect loop.

POWER

18. **ON/OFF LED INDICATOR:** The amplifier is on when the LED is lit.
19. **ON/OFF SWITCH:** This is a two position switch, the down position will turn the unit on, while the up position off.

REAR PANEL

POWER CORD: Your G60XL is equipped with a heavy-duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 volt, 60 hz AC power outlet before use. (If your G60XL was purchased outside the United States, refer to the rear panel for power ratings). For your safety, never attempt to defeat the ground connection on this cord.

G60XL TECHNICAL SPECIFICATIONS

Output Power Rating	60 watts RMS @ 5% THD 4 ohm load — 120 VAC line
Speaker Size and Rating:	G60XL: Custom Design 12" with 1-1/2" voice coil Power Handling 60 watts RMS G60XLS: Celestion G12M-70 G60XLF: Fane Medusa
Low Control	15 db range @ 80 Hz
Mid Control	15 db range @ 500 Hz
High Control	20 db range @ 5 KHz
Bright Switch	5 db boost @ 6 KHz
Input Impedance	220K ohms/"0 db" input 44K ohms/" - 6 db" input
Maximum Input Signal Level Accepted	4 volts, peak to peak/"0 db" input 8 volts, peak to peak/" - 6 db" input
Total System Gain	Channel A: 105 db @ 1 KHz (Shape @ 0, Bright Switch off) Channel B: 62 db @ 1 KHz (Controls @ 10, Bright Switch off)
Signal to Noise Ratio	Channel A: 40 db—with Gain, Level @ 10, Shape @ 0 Channel B: 68 db—with all controls @ 10, Bright Switch off
Input Power Requirements	120 VAC, 60 Hz, 200 watts max
Fuse Rating and Type	2 amp, 250V internal
Cabinet Size and Weights	17-1/2"H x 18-1/4"W x 9-3/4"D 34 lbs.

Specifications subject to change without notice.

CAUTION: To reduce the risk of electric shock, do not remove chassis. No user serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment is capable of producing sound pressure levels greater than 110 dB SPL. Continued exposure to such high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised, and ear protection is recommended.